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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 4

### Complete If Known

Application Number	10/665,900
Filing Date	September 19, 2003
First Named Inventor	Fréchet, Jean M.J., et. al.
Art Unit	1743
Examiner Name	Not yet assigned
Attorney Docket Number	IB-1829

### U.S. PATENT DOCUMENTS

Examiner	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/JN/	AA	US-5316,680	05-31-1994	Fréchet, et al.	
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	AP	US-5,786,428	07-28-1998	Arnold, et al.	
/JN/	CI	US-20010007701	07-12-2001	Karger, et al.	

### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/JN/	AQ	ALLMER K, Hult A, Ranby B., Surface modification of polymers. II: Grafting with glycidyl acrylate and the reactions of the grafted surface with amines. <i>J. Polym Sci Polym Chem</i> 1989; 27:1641-52.	
/JN/	AR	ALLMER K, Hult A, Ranby B., Surface modification of polymers. III: Grafting of Stabilizers onto Polymer Films. <i>J.</i> <i>Polym Sci Polym Chem</i> 1989; 27:3405-13.	
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/JN/	AV	BERMAN, et al., "Total Alignment of Calcite at Acidic Polydiacetylene Films: Cooperativity at the Organic-Inorganic Interface," <i>Science</i> , Volume 269, pp. 515-518, (July 28, 1995)	
	AW	CHAN C.M., Ko T.M., Hiraoka H., "Polymer Surface modification by plasmas and photons," <i>Surf. Sci. Rep.</i> 1996, 24, 3.	
	AX	CHEN, W. And McCarthy, T.J., "Layer-by-Layer Deposition: A Tool for Polymer Surface Modification," <i>Macromolecules</i> 1997, 30, 78-86, January 13, 1997.	
	AY	CHIARI M, Cretich M, Stastna M, Radko SP, Chrambach A, "Rapid capillary coating by epoxy-poly-(dimethylacrylamide): Performance in capillary zone electrophoresis of protein and polystyrene carboxylate," <i>Electrophoresis</i> . 2001;22(4):656-9	
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	BC	KAMATH KR, Park K., "Surface modification of polymeric biomaterials by albumin grafting using h-irradiation," <i>J Appl Biomater</i> . 1994 Summer;5(2):163-73.	
	BD	KATO, K., Uchida, E., Kang, E. T., Uyama, Y., & Ikada, Y. "Polymer surface with graft chains," <i>Progress in Polymer Science</i> , 28(2): 209-259, 2003	
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	BG	MEYER, U., Svec, F., and Frechet, JMJ, "Use of Stable Free Radicals for the Sequential Preparation and Surface Grafting of Functionalized Macroporous Monoliths," <i>Macromolecules</i> 2000, 33, 7769-7775, Sept 28, 2000.	
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/JN/	BI	OSTER G., Shibata O., "Graft Copolymer of Polyacrylamide and Natural Rubber Produced by Means of Ultraviolet Light," <i>J. Polym. Sci.</i> 1957, 26, 233-234.	

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/JN/	BJ	PETERS, EC, Svec, F, and Fréchet JMJ, "Control of Porous Properties and Surface Chemistry in "Molded" Porous Polymer Monoliths Prepared by Polymerization in the Presence of TEMPO," <i>Macromolecules</i> 1999, 32, 6377-6379, Aug 19, 1999.	
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	BL	QIN D., Xia Y.N., Rogers J.A., Jackman R.J., Zhao X.M., Whitesides G.M., "Microfabrication, Microstructures and Microsystems," <i>Top. Curr. Chem.</i> 1998, 194, 1-20.	
	BM	RÅNBY B., "Surface Modification of Polymers by Photoinitiated Graft Polymerization," <i>Makromol. Chem., Macromol. Symp.</i> 1992, 63, 55.	
	BN	RÅNBY B., Yang W.T., Tretinnikov O., "Surface photografting of polymer fibers, films and sheets," <i>Nucl. Instrum. Methods Phys. Res., Sect. B</i> 1999, 151, 301-305.	
	BO	REYES D.R., Iossifidis D., Auroux P.A., Manz A., "Micro Total Analysis Systems. 1. Introduction, Theory, and Technology," <i>Anal. Chem.</i> 2002, 74, 2623.	
	BP	ROHR T., Yu C., Davey M.H., Svec F., Fréchet J.M.J., "Porous polymer monoliths: Simple and efficient mixers prepared by direct polymerization in the channels of microfluidic chips," <i>Electrophoresis</i> 2001, 22, 3959.	
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/JN/	BX	SVEC F., Fréchet J.M.J., Hilder E.F., Peterson D.S., Rohr T., in <i>Micro Total Analysis Systems 2002</i> , Baba Y., van den Berg A. (Eds.), Kluwer Academic Publishers, Dordrecht, 2002, p. 332-334.	

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/JN/	BY	THROCKMORTON DJ, Shepodd TJ, and Singh AK, "Electrochromatography in Microchips: Reversed-Phase Separation of Peptides and Amino Acids Using Photopatterned Rigid Polymer Monoliths," <i>Anal. Chem.</i> ; Feb 15, 2002; 74(4) pp 784 – 789.	
	BZ	UYAMA, Y., Kato K., Ikada Y., "Surface Modification of Polymers by Grafting," <i>Adv. Polym. Sci.</i> 1998, 137, 1.	
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	CD	WANG B, Abdulali-Kanji Z, Dodwell E, Horton JH, Oleschuk RD, "Surface characterization using chemical force microscopy and the flow performance of modified polydimethylsiloxane for microfluidic device applications," <i>Electrophoresis</i> , Volume 24, Issue 9, 2003, p 1442-1450.	
	CE	XIE S, Svec F, Fréchet JM., "Design of reactive porous polymer supports for high throughput bioreactors: poly(2-vinyl-4,4-dimethylazlactone-co-acrylamide-co-ethylene dimethacrylate) monoliths," <i>Biotechnol Bioeng.</i> 1999 Jan 5; 62(1):30-5.	
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